

3D Model of Planes and Plane Relationship Proofs

80 points, 20 bonus points are possible

- The students will create a 3D model of a one of the illustrations to a problem or proof in Chapter 6-“Lines and Planes in Space”.
- The student will complete the related proof neatly, either typed or hand written. Failure to turn in rubric will result in a deduction of 5 points.
- Projects will be due at the beginning of class on Wednesday, December 17th.
- Attached is the rubric. The total points for the project is 80. The total available Bonus points available is 20.
- Submittals: **DUE Wednesday December 17th!!!!**
 - Project Rubric
 - Proof of problem
 - 3- D model of problem

Select your question for Chapter 6

Student Name _____

Question # _____ Section # _____ Page # _____

Sketch your figure and work the proof and/or solve the problem below:

3D Model of Planes and Plane Relationship Proofs Rubric

Advanced Geometry – Edythe J. Hayes Middle School

Mr. Poindexter

Student's Name _____

	Excellent (10)	Satisfactory (8)	Needs Improvement (6)	Unacceptable (3)
Appearance (x2) Max 20 pts	Project stands out from the rest, shows evidence of considerable effort	Appearance is neat, labels are typed, project is organized, and shows evidence of good effort	Labels are hand written, project is not neatly done, more effort needed	Appears hastily built, lack of effort is evident
Proof (x2) Max 20 pts	No logic errors	No major logic errors or serious flaws in reasoning	Maybe some serious logic errors or flaws in reasoning	Major logic errors or serious flaws in reasoning
Requirements Max 10 pts	Goes beyond the requirements of the project	Meets the requirements of the project	Somewhat meets the requirements of the project	Does not meet the requirements of the project
Creativity Max 10 pts	Model is created from materials that are not typically used in projects	Model contains some materials that are typically used in projects	Model contains materials that are basic or could be found in any desk	Model is made of materials that are basic or could be found in any backpack
Difficulty of Model Chosen (x2) Max 20 pts	Figure that is complex and contains a variety of many figures	Figure that is more complex and contains a variety of figures	Figure that is simple and only contains a few simple figures	Figure not included in Chapter 6
Labels Max 10 pts	The points and figures are labeled and are easy to read from a distance	The points and figures are labeled and are easy to read	The points and figures are labeled but are difficult to read	The points and figures are not labeled
Structure Max 10 pts	The structure of the figure is true to form and illustrates the figure correctly	The structure is very close to the true form and illustrates the figure correctly	The structure is somewhat true to form and somewhat illustrates the figure	The structure is not true to form and does not illustrate the figure
Total Score 80 Required 100 Possible with bonus				